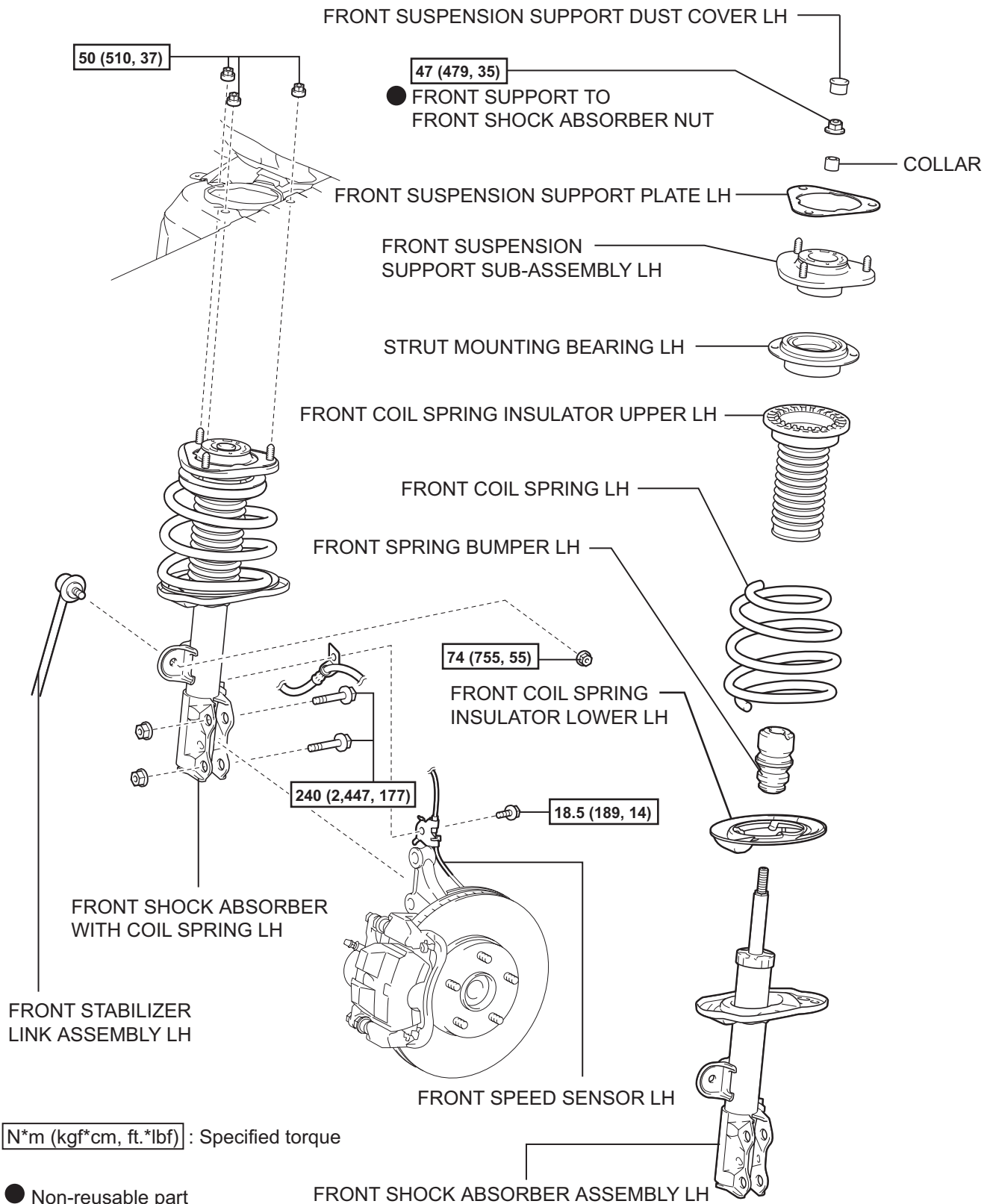


FRONT SHOCK ABSORBER WITH COIL SPRING (for Sport Package)

COMPONENTS

SP



REMOVAL

HINT:

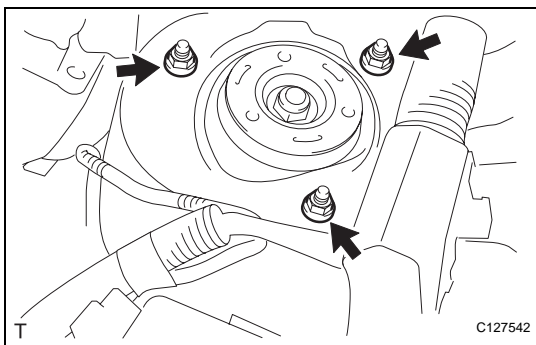
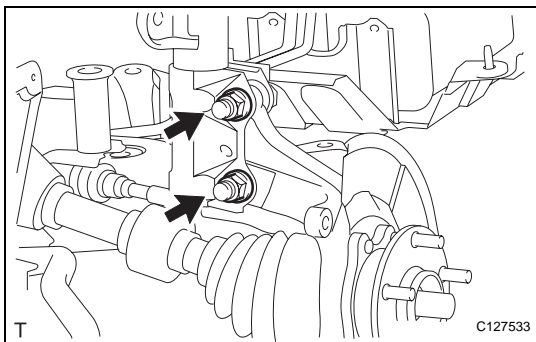
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT WHEEL
2. REMOVE FRONT SPEED SENSOR LH (See page [BC-191](#))
3. REMOVE FRONT STABILIZER LINK ASSEMBLY LH (See page [SP-30](#))
4. REMOVE FRONT SHOCK ABSORBER WITH COIL SPRING LH

- (a) Remove the 2 bolts and 2 nuts, and disconnect the shock absorber from the steering knuckle.

HINT:

While fixing the nuts in place, loosen and remove the bolts.



- (b) Remove the 3 nuts and shock absorber with coil spring.

DISASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT SUSPENSION SUPPORT PLATE LH

- (a) Remove the plate from the shock absorber.

2. REMOVE FRONT SUSPENSION SUPPORT DUST COVER LH

- (a) Using a screwdriver, remove the dust cover from the suspension support.

HINT:

Tape the screwdriver tip before use.

3. REMOVE FRONT SUPPORT TO FRONT SHOCK ABSORBER NUT

- (a) Install 2 nuts and 2 bolts to the bracket at the lower portion of the shock absorber and secure it with a vise.

- (b) Using SST, compress the coil spring.

SST 09727-30021 (09727-00010, 09727-00021, 09727-00031)

HINT:

To prevent the coil spring from being damaged, wind vinyl tape on the coil spring.

NOTICE:

- When holding the shock absorber with the coil spring removed, do not hold it by the spring lower seat. Also, do not knock the spring lower seat.
- Do not use an impact wrench which will damage SST.

- (c) Using SST to hold the suspension support, remove the nut.

SST 09729-22031

4. REMOVE COLLAR

- (a) Remove the collar from the suspension support.

5. REMOVE FRONT SUSPENSION SUPPORT SUB-ASSEMBLY LH

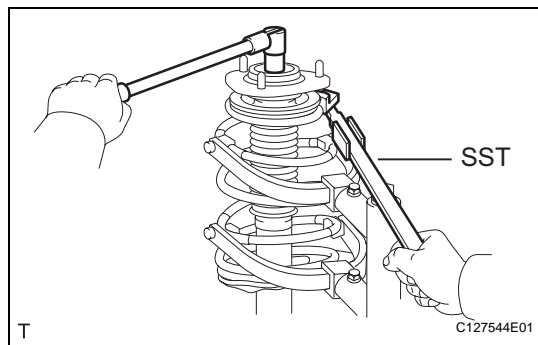
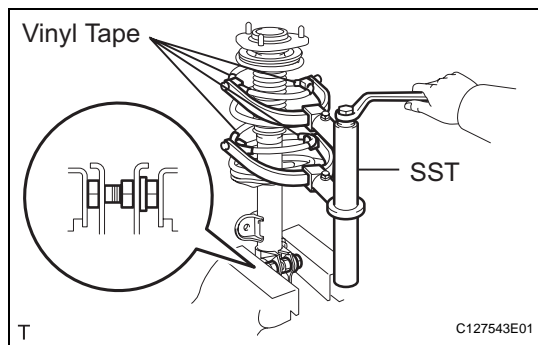
- (a) Remove the suspension support from the shock absorber.

6. REMOVE STRUT MOUNTING BEARING LH

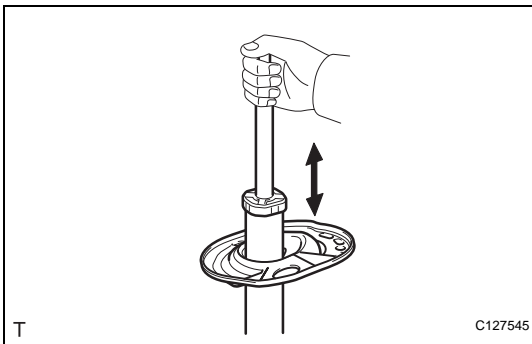
- (a) Remove the mounting bearing from the suspension support.

NOTICE:

- When removing the bearing, the suspension support may become stuck. Use a screwdriver or equivalent to remove the bearing.
- Make sure not to use excessive force when removing the bearing as it may come apart.



7. **REMOVE FRONT COIL SPRING INSULATOR UPPER LH**
 - (a) Remove the insulator upper from the shock absorber.
8. **REMOVE FRONT SPRING BUMPER LH**
 - (a) Remove the spring bumper from the shock absorber.
9. **REMOVE FRONT COIL SPRING LH**
 - (a) Remove the coil spring from the shock absorber.
 - (b) Remove SST from the coil spring.
10. **REMOVE FRONT COIL SPRING INSULATOR LOWER LH**
 - (a) Remove the insulator lower from the shock absorber.



INSPECTION

1. **INSPECT FRONT SHOCK ABSORBER ASSEMBLY LH**
 - (a) Compress and extend the shock absorber rod 4 times or more. Check that there is no abnormal resistance or unusual sound during the operation. If there is any abnormality, replace the shock absorber assembly with a new one.

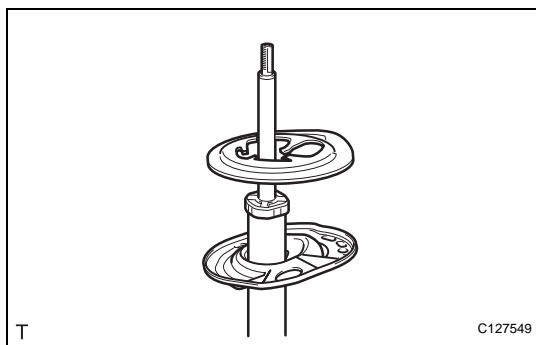
NOTICE:

When disposing of the shock absorber, see DISPOSAL (see page [SP-19](#)).

REASSEMBLY

HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

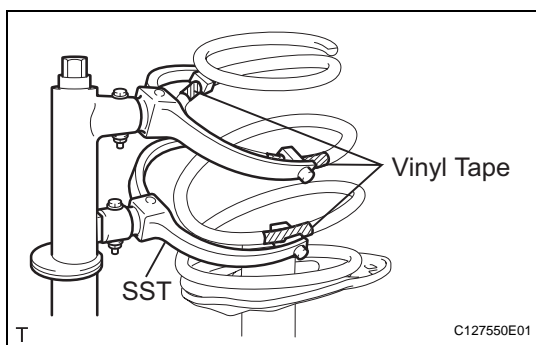


1. INSTALL FRONT COIL SPRING INSULATOR LOWER LH

- (a) Install the insulator lower to the shock absorber.

2. INSTALL FRONT SPRING BUMPER LH

- (a) Install the spring bumper to the shock absorber.



3. INSTALL FRONT COIL SPRING LH

- (a) Using SST, compress the coil spring.

SST 09727-30021 (09727-00010, 09727-00021, 09727-00031)

HINT:

To prevent the coil spring from being damaged, wind vinyl tape around the coil spring.

NOTICE:

Do not use an impact wrench which will damage SST.

- (b) Install the coil spring to the shock absorber.

HINT:

Fit the lower end of the coil spring to the gap of the lower spring seat.

4. INSTALL FRONT COIL SPRING INSULATOR UPPER LH

- (a) Install the insulator upper to the shock absorber.

5. INSTALL STRUT MOUNTING BEARING LH

- (a) Install the mounting bearing to the insulator upper.

6. INSTALL COLLAR

- (a) Install the collar to the suspension support side.

7. INSTALL FRONT SUSPENSION SUPPORT SUB-ASSEMBLY LH

- (a) Install the suspension support to the shock absorber.

8. REMOVE FRONT SUPPORT TO FRONT SHOCK ABSORBER NUT

- (a) Using SST to hold the spring upper seat, install a new nut.

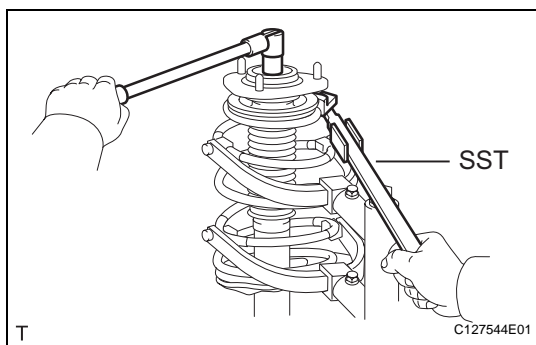
SST 09729-22031

- (b) Remove SST.

SST 09727-30021 (09727-00021, 09727-00031)

NOTICE:

When removing SST, make sure that the suspension support is not in an inclined position, as the bearing may come apart.



9. INSTALL FRONT SUSPENSION SUPPORT DUST COVER LH

- (a) Install the dust cover to the shock absorber.

10. INSTALL FRONT SUSPENSION SUPPORT PLATE LH

- (a) Install the support plate to the shock absorber with coil spring.

INSTALLATION

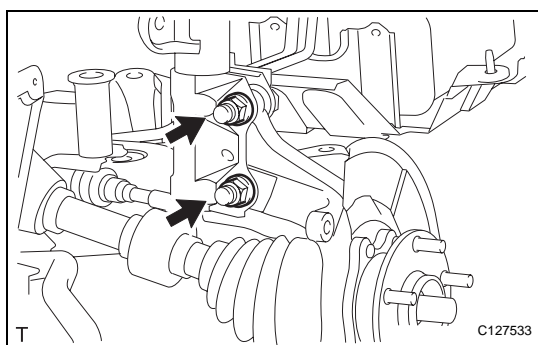
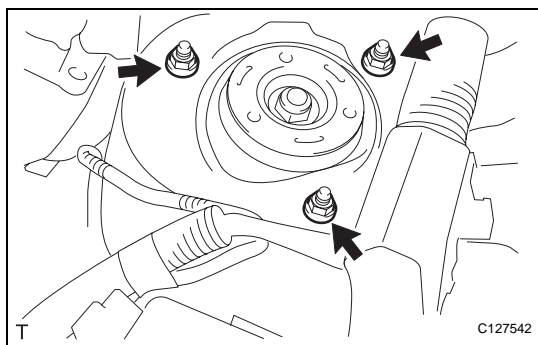
HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. INSTALL FRONT SHOCK ABSORBER WITH COIL SPRING

- (a) Install the front shock absorber with coil spring (upper side) with the 3 nuts.

Torque: 50 N*m (510 kgf*cm, 37 ft.*lbf)



- (b) Install the front shock absorber with coil spring to the steering knuckle with the 2 bolt and 2 nuts.

Torque: 240 N*m (2,447 kgf*cm, 177 ft.*lbf)

NOTICE:

Do not tighten the bolts.

2. INSTALL FRONT STABILIZER LINK ASSEMBLY LH (See page [SP-31](#))

3. INSTALL FRONT SPEED SENSOR LH (See page [BC-193](#))

4. INSTALL FRONT WHEEL

Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

5. STABILIZE SUSPENSION

- (a) Lower the vehicle.
(b) Press down on the vehicle several times to stabilize the suspension.

6. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

- (a) Inspect and adjust the front wheel alignment (see page [SP-3](#)).

DISPOSAL

1. DISPOSE OF FRONT SHOCK ABSORBER ASSEMBLY LH

- (a) Fully extend the shock absorber piston rod, and clamp it in a vise at an angle.
(b) Using a drill or similar tool, gradually make a hole in area A to discharge the gas inside of the absorber.

CAUTION:

As metal debris may be blown outward by the gas, you must.

- Wear protective glasses.
- Cover the area being cut.

NOTICE:

The gas is colorless and harmless.

